

In the Specification:

Please amend the specification as shown:

Please delete the paragraph on page 8, lines 18-31, and replace it with the following paragraph:

- 3) Cloning of the flanking homologous DNA fragments needed for homologous recombination by polymerase chain reaction (PCR) using 129 mouse geneomic DNA as a template. For examples, the transgene can be targeted onto the Hprt locus (see Melton et al., 1984 for gene sequences) of the X chromosome, or the Tspy pseudogene locus (see Vogel et al., 1998 for sequences) of the Y chromosome. Specifically, a ~4 Kb fragment can be amplified between exon 6 and exon 7 of the Hprt gene using the primer CAGTACAGCCCCAAAATGGT **(SEQ ID NO: 1)** and primer GAGGTCCTTTTCACCAGCAA **(SEQ ID NO: 2)**; a ~1.3 Kb fragment can be amplified between exon 8 and exon 9 of the Hprt gene using primer AGTTTGTTGTTGGATATGCC **(SEQ ID NO: 3)** and primer CCTCTTAGATGCTGTTACTG **(SEQ ID NO: 4)**; a ~1 Kb DNA fragment can be amplified from the 5' end of the Tspy pseudogene by using primers AGGAGAGTGTGGGCATG **(SEQ ID NO: 5)** and AAATGCACAATCTAAAGC **(SEQ ID NO: 6)**; and a ~1.5 Kb fragement can be amplified from the 3' end of the Tspy pseudogene by using primers CTCCAAGGACTGCTCTCA **(SEQ ID NO: 7)** and AAACATGAGAAACATGGTA **(SEQ ID NO: 8)**.